TEXAS STATE VITA

I. Academic/Professional Background

A. Name: Raelynn Deaton Haynes Title: Adjunct Professor

B. Educational Background

Degree	*Year*			
BA	*1995*	*Berea College, Berea, KY*	*Major Biology*	
MS	*2001*	*University of New Orleans*	*Major Biology*	*Thesis/Dissertation Sexual Selection in*
PhD	*2006*	*University Univ. of Oklahoma*	*Major Zoology*	*Livebearing Fishes*

C. University Experience

2006-2007	Instructor, Department of Biological Sciences, Sam Houston State University and Department of Zoology, University of Oklahoma, Norman, OK
2007-2008	Visiting Assistant Professor, Department of Biological Sciences, Sam Houston State University, Huntsville, TX
2008-2011	Assistant Professor, Department of Biological Sciences, Sam Houston State University, Huntsville, TX
2009-2013	Research Associate, Department of Zoology, University of Oklahoma, Norman, OK
2011-2018	Assistant Professor, Department of Biology, St. Edward's University, Austin, TX
2019-Present	Adjunct Professor, Department of Biology, Texas State University, San Marcos, TX

D. Relevant Professional Experience

E. Other Professional Credentials (licensure, certification, etc.)

II. TEACHING

A. Teaching Honors and Awards:

B. Courses Taught:

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

D. Courses Prepared and Curriculum Development:

E. Teaching Grants and Contracts

1. Funded External Teaching Grants and Contracts:

2. Submitted, but not Funded, External Teaching Grants and Contracts:

3. Funded Internal Teaching Grants and Contracts:

4. Submitted, but not Funded, Internal Teaching Grants and Contracts:

F. Other:

G. Teaching Professional Development Activities Attended

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

1. Books:

a. Scholarly Monographs:

b. Textbooks:

c. Edited Books:

d. Chapters in Books:

a. J. Cureton* and **R. Deaton**. 2013. From forests to grasslands: life-history, hybridization, and genetic diversity of box turtles (Invited book chapter - ***Reptiles in Research: Investigations of Ecology, Physiology, and Behavior from Desert to Sea***. Editor W. Lutterschmidt.

e. Creative Books:

2. Articles:

b. Refereed Journal Articles: (Select)

c. J. Sanchez, B. Boutwell, S. Hamontree, G. Garrett, R. Lewis, A. Ragan, M. Tobler, and **R. Deaton Haynes**. 2014. Reproductive characteristics of two *Gambusia* congeners in west Texas. ***Southwestern Naturalist*** 59(3): 1-4.

d. J. Cureton*, M. Janis, W. Lutterschmidt, C. Randle, D. Ruthven, and **R. Deaton**. 2014. Impacts of roads on genetic diversity, gene flow, and population structure in the ornate box turtle (*Terrapene ornata*) ***Amphibia-Reptilia*** 35(2014): 87-97.

e. J. Sanchez+, S. Stoops+, N. Allan, J. Cureton+, G. Garrett, C.Kroll+, R. Lewis+, E. Marsh-Matthews, J. West*, and **Raelynn Deaton**. 2013. Current distribution of the introduced largespring gambusia, *Gambusia geiseri*. ***Southwestern Naturalist.*** 58(4):497-502. 2013.

f. R. Lewis*, N. Allan, G. Garrett, C. Kroll*, S. Stoops*, J. West*, and **R. Deaton**. 2013. Status of endangered Pecos gambusia (*Gambusia nobilis*) and Comanche Springs

pupfish (*Cyprinodon elegans*) in Phantom Lake Spring, Texas. ***Southwestern Naturalist***. 58(2): 234–238.

g. B. Boutwell, J.C. Barns, **R. Deaton** and K. Beaver. 2013. On the evolutionary origins of life-course persistent offending: A theoretical scaffold for Moffitt's developmental taxonomy. ***J Theoretical Biology.*** 322:72-80.

h. S. Stoops*, P. Fleming, G. Garrett, and **R. Deaton**. 2013. Gonopodial structures revisited: variation in genital morphology within and across four populations of the western mosquitofish, *Gambusia affinis*. ***Southwestern Naturalist*** 58(1): 97–101.

i. J. Cureton* and **R. Deaton**. 2012. Hot moments and hot spots: identifying factors explaining temporal and spatial variation in turtle road mortality. ***J Wildlife Management*** 76(5):1047-1052.

j. J. Cureton+, R. Martin+, R. Lewis+, S. Stoops+, and **R. Deaton**. 2011. Effects of trematode infection on mating behaviors in a livebearing fish. ***Behaviour*** 148:967-84.

k. **R. Deaton** and J. Cureton+. 2011. Female masculinization and reproductive life history in a population of the western mosquitofish in the Brazos River, TX ***Environmental Biology of Fishes*** 92:551-558.

l. J. Cureton+, A. Buchman+, **R. Deaton**, and W. Lutterschmidt. 2011. Molecular analysis of potential hybridization between Eastern (*Terrapene carolina triunguis*) and Western (*Terrapene ornata ornata*) box turtles. ***Copeia*** 2011(2): 270-277.

m. **R. Deaton**. 2011. Parasitic nematodes decrease fecundity in the western mosquitofish, *Gambusia*

n. *affinis.* ***The Southwestern Naturalist*** 56(2):264–266.

o. E. Marsh-Matthews, **R. Deaton**, and M. Brooks. 2010. Survey of matrotrophy in lecithotrophic species. **In *Viviparous Fishes II, the Proceedings of the III International Symposium on Viviparous Fishes*** (Ed. Mari Carmen Uribe and Harry Grier).

p. J. Cureton*, J. Randall*, and **R. Deaton**. 2010. Density increases male homosexual behavior in the Western Mosquitofish, *Gambusia affinis*. ***The Southwestern Naturalist*** 55: 263–268.

q. J.Cureton*, R. E. Martin*, and **R. Deaton**. 2010. Short terms changes in sex ratio and density alter coercive male

r. mating tactics. ***Behaviour*** 147:1431-1442.

s. **R. Deaton**. 2009. Effects of parasites on male mate choice in the western mosquitofish, *G. affinis* ***Behavioral Processes*** 80: 1-6.

b. Non-refereed Articles:

3. Conference Proceedings:

a. Refereed Conference Proceedings:

b. Non-refereed:

4. Abstracts:

5. Reports:

6. Book Reviews:

7. Essays:

8. Poems:

9. Short Stories:

10. Other Works in Print:

B. Works Not in Print:

1. Papers Presented at Professional Meetings:

2. Invited Talks, Lectures, and Presentations: (select)

R. Deaton Haynes and Roberta Engel**.** February, 2015. *On the Importance of Field Work.* Faculty, Natural Sciences, St. Edward's University.

R. Deaton Haynes. April, 2015. *Biodiversity of Texas Seagrass Habitats: Who Gives a Fish?* St. Edward's University Faculty Research Talk,

R. Deaton Haynes. October, 2014. *Food for Thought: Teaching Marine Conservation through the Eyes of Biodiversity and the Mouths of Students*. St. Edwards University Teaching Innovation Showcase, Lightning Talk.

R. Deaton. October, 2011. *Love and War in Livebearing Fish: The gonopodium, sexual conflict, and female fitness*. Universidad National Autonoma de Mexico. Tlaxcala, Mexico,.

R. Deaton. October, 2011. Roundtable Discussion: *Bridging the Gap Between Mechanism and Function*. Universidad National Autonoma de Mexico, Tlaxcala, Mexico.

3. Consultancies:

4. Workshops:

5. Other Works not in Print:

a. Works "submitted" or "under review":

b. Works "in progress":

c. Other Works Not in Print:

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:
2. Fidelma O'Leary, Charles Hauser, **Raelynn Deaton Haynes** and William Quinn. USDA Hispanic-Serving Institutions Education Grant. 2015. Agricultural-STEM Pipeline: Progressive Experiential Learning Linking Three HSI Academic Tiers (Ag-STEM). $275,000.
3. **Raelynn Deaton Haynes.** Teaching and Learning through Technology Grant. St. Edward's University. Grabbing Panama by the Isthmus: Using Technology to Enhance the Study Abroad Experience for Evolution Students. $5,000.

4. **Raelynn Deaton Haynes.** Presidential Excellence Research Grant. 2015. Fighting with swords: genital combat as an alternative mechanism to same sex mating in a coercive livebearer. St. Edward's University. $5,000.
5. **Raelynn Deaton.** Presidential Excellence Research Grant. 2013. Effects of density and size ratio of competitors on male reproductive success in livebearing fishes. St. Edward's University. $5,000.
6. **Raelynn Deaton.** Presidential Excellence Research Grant. 2012. Female fitness as a function of stored sperm in the western mosquitofish. St. Edward's University. $5,000.
7. **Raelynn Deaton**, James Cureton II and Jeff Kelly. 2010. Conservation Ecology of Eastern (*Terrapene*
8. *carolina*) and Western Box Turtles (*Terrapene ornata*) in a Texas urban population (Cooke and Grayson Counties, Texas). Arthur Seegilson Conservation Fund, Dallas Fort-Worth Zoo, $5,000.
9. **Raelynn Deaton**, William Lutterschmidt, Chris Randle, Donald Ruthven, and Michael Janis.
10. Conservation genetics of the declining ornate box turtle. Arthur Seegilson Conservation Fund, Dallas Fort-Worth Zoo, $5,000
11. Chad Hargrave, **Raelynn Deaton** and Gary Garrett. 2010. Population dynamic and food web
12. structure of two endangered fish species in west Texas. Texas Parks and Wildlife Department, $16,000 (contract)

2. Submitted, but not Funded, External Grants and Contracts:

3. Funded Internal Grants and Contracts:

4. Submitted, but not Funded, Internal Grants and Contracts:

D. Scholarly / Creative Fellowships, Awards, Honors:

E. Scholarly / Creative Professional Development Activities Attended:

F. Media Recognition:

IV. SERVICE

A. Institutional

1. University:

2. College:

3. Department/School:

B. Professional:

C. Community:

D. Organization Memberships:

E. Service Honors and Awards:

F. Service Grants and Contracts:

1. Funded External Service Grants and Contracts:

2. Submitted, but not Funded, External Service Grants and Contracts:

3. Funded Internal Service Grants and Contracts:

4. Submitted, but not Funded, Internal Service Grants and Contracts:

G. Service Professional Development Activities Attended: